## CLITHEROE URBAN DISTRICT COUNCIL.

## ANNUAL REPORT

OF THE

# MEDICAL OFFICER OF HEALTH, 1898.

GENERAL

The area of Clitheroe is 2,381 statute acres.

The number of inhabited houses at the last census was calculated at 2,290, and is estimated to be at the end of the year, 2,710.

The rateable value of the Urban District is £35,686, and its income from all sources, £16,722; expenditure on improvement works, £214; total expenditure, £16,320.

estimated for the purposes of this Report to the middle of 1898 at 11,500, due consideration being given to the exodus of population during the early months of the vear, in consequence of the state of trade.

The water supply is adequate in amount and of excellent quality.

The work involved in the new sewerage scheme continues to progress. 546 houses have been conneced with the main sewer during the year, making a total of 1727.

The sewage is treated on the Broad Land irrigation principles. During the year the effluent has not always been satisfactory to the County Council.

The interior drainage of the town, fairly satisfactory in the newer portions, is in the old parts of the Borough, provided for partially by old stonedrains, but these are slowly being done away with.

SYSTEM OF EXCRETAL REMOVAL The system of excretalrenoval, which, until recently, has been in general use, is that known as the Tub System.

The tubs are, however, without lids, and the collecting carts being uncovered give rise to nuisance during their use. The excreta is conveyed, without treatment, directly upon agricultural lands in the neighbourhood of the town.

The Tub System is, however, being gradually superseded by some form of Water Carriage. There are now 313 fresh water closets, and 420 waste water closets, making a total of 644 on this system.

There are also some 54 open ashpits still remaining about the outskirts of the town, attached to isolated houses, and at a distance from the dwelling in each case.

CONNECTION
OF DRAINS
WITH
INTERIOR
OF HOUSES

The disconnection of drains from the interior of houses has been systematically proceeded with, and there are not many instances of this insanitary arrangement remaining.

There is a large number of unpaved or imperfectly paved streets, and in bad weather the state of some of the road surface gives rise to much inconvenience and legitimate complaint.

The town is for the most part well built, as a large number of superior cottages have been put up during the last ten or twenty years. Perhaps the old and defective property does not exceed one-third of the whole. There are, however, still, according to the Surveyor's Report, 43 back-to-back houses at Low Moor, and 267 in Clitheroe proper, making a total of 310.

The arrangement of the streets does not involve overcrowding of buildings, but provides open spaces, so that the air flow cannot, generally speaking, be said to be impeded.

MEANS OF
PREVENTION
OF THE
SPREAD OF
INFECTIOUS
DISEASE

In the year 1890, the Notification Act came into operation in the Borough, but no Hospital for Infectious Diseases has been erected. The Council has not yet decided upon the form of Disinfecting Apparatus best adapted to its needs.

#### VITAL STATISTICS.

The vital statistics of 1898 do not present any features of special interest or unusual character.

The mortality returns on the whole are distinctly satisfactory and the low zymotic death-rate involved in the immunity that the district has enjoyed from serious epidemic during the year, is a matter for congratulation.

The number of Births registered was 289 and these were equal to an annual rate of only 25.1 per 1,000 of the population which was estimated at 11,500 persons, this rate was 3.5 below the average rate of the preceding 10 years, and with the exception of that of 1887 was the lowest of the series of years, 1875—97.

The 175 deaths registered during the year were equal to an annual rate of 15.2 per 1,000 per annum; this rate whilst rising above that of the preceding year, fell short of the average of the last 22 years by 2.9 per 1,000.

During the year, 14 deaths were referred to the principal zymotic diseases equal to a rate of 1.2 per 1,000, this rate being lower than the average of the preceding 22 years although exceeding that of the previous year.

Infant mortality, measured by the proportion of deaths under 1 year of age to births registered, was equal to 138 per 1,000 and whilst it exceeded the unprecedentedly low rate of 1897 was below by 6 per 1,000 the average of the last 23 years.

The following table shows the Birth rate for 24 consecutive years, 1875-98, with the mortality of children under one year, for each year and for the average of 23 years, 1875-98.

TABLE I.

Clitheroe U	frban San strict.	itary	Birth rate per 1000 of the population.	Deaths of Children under one year per 1000 of those born.						
For the year	1875		32.1	200						
29	1876		34.4	195						
) <del>)</del>	1877		35.1	146						
<b>9</b> 9	1878		35.5	143						
59	1879		35.9	157						
,,	1880		35.4	141						
59	1881		35.7	167						
22	1882		33.6	120						
,,	1883		34.7	152						
9.9	т884		32.6	152						
,,	1885		29.6	142						
55	1886		28.8	119						
,,	1887		25.0	97						
> >	1888		30.1	158						
29	1889		29.2	208						
9 <b>7</b>	1890		26.4	140						
27	1891		31.9	124						
59	1892		30.5	149						
<b>&gt;</b> 7	1893		29.0	170						
9.5	1894		28.8	129						
55	1895		29.5	197						
57	1896		26.0	150						
23	1897		25.2	88						
79	1898		25.1	138						
Average of 23			31.0	144						

The causes of death amongst infants during the year are here tabulated:—

Measles							I
Diarrhœa		• • •	• • •			• • •	6
Acute Pulm	onai	ry Di	sease	es	• • •		9
Convulsion	S	• • •	• • •		• • •	• • •	б
Congenital	Del	oility	• • •			• • •	14
Other Dise	ases	• • •			* * *	0 6 0	4
						-	
					Tota	1	40

In accordance with the instructions of the Local Government Board as to the classification in health reports of statistical information into districts, the following table has been prepared showing the infantile death-rate of Low Moor and that of the area comprising the rest of the District of the Urban District Council which is here named Clitheroe Proper-

TABLE II.

			Deaths of Children 1000 of thos	
			CLITHEROE PROPER.	LOW MOOR.
for the ye	, ,	• • •	193	170
"	1876		174	195
9 7	1877		185	222
?5	1878	7 0 0	138	88
,,	1879		144	155
, , ·	1880		125	170
,,	1881		157	304
,,	1882		108	125
9,5	1883	• • •	153	47
22	1884	• • •	154	125
"	1885	• • •	139	173
99	1886	• • •	112	217
5 9	т887		108	nil.
59	1888		156	250
59	1889		216	166
,,	1890		135	214
,,	1891		134	nil.
9.9	1892		156	52
,,,	1893	0 0 0	173	125
- 99	1894	• • •	126	187
29	1895	0 0 0	205	67
99	1896		148	187
) j	1897		112	133
) ) ) )	1898		136	45
	23 previo	us vears	145	142

The following Table epitomizes the ages at which the deaths occurred throughout the Borough-

#### TABLE III.

Deaths in the Borough, including the Workhouse, from 1st January to 31st December, 1898.

The next Table shows in detail the number of Deaths in the Borough from the seven principal Zymotic Diseases during the past twenty-two years, and also the Zymotic Death-rate and General rate for those years, so that a comparison of these rates can readily be made.

# TABLE IV.

	1891 1892 1893 1894 1895 1896 1897 1898	44 	) ;	e:		11 1 1 10 10			7	4 6: 4	15 29 25 9 76 29 10 14	180 160 181 210 182 154 16		183 209 185 190 286 211 164 175		6. 2.6 9.3 0.8 6.6 9.4 0.8 1.9	H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16.1 16.6 14.3 16.1 18.2 15.5 13.0 14.0		17.7 19.0 16.6 16.9 24.8 17.9 13.8 15.2
	0811	ç	9	က	•	•	•	:	\	4	20	180		200		à		15.7		18 5
	8 1889		:	:	:	26	:	t~	:	<del>-</del>	(C)	175		238		55	)	14.8		20 1
-	7 1888	÷1	:	4	_	:	•	ಣ	•	9	5.	202	-	727		2.5		17.6		8.61
A CANADA	1.53	,	:	•	:		•	,	-			144		155		0.1		12 5		13.5
	9881	•	\$1 	0 0	•	2	:	:	:	$\infty$	50	157		172		1.5		15.5		0.21
	1885	24	14	ಚಾ	:	5	:	:	:	30.	49	165		214		50		16.9		95 0
-	1884	:	50	پر	4	\$1	:	•	:	4	1.7	167	1	184		80		17.0		18.8
	1883	:	pand	೯೦	:	:	:	<b>5</b> )	:	9	7	189		201		-		18-2		19.3
	1882	_	<u>∞</u>	•	:	•	:	-		6	61	192		211		1.8		18.7		20 5
	1881	:	4	•	:		:		:	က	90	162		182		6.1		160		6.71
	1876 1877 1878 1879 1880 1881 1882 1883	9	\$1	ಣ	:		:	-	:	10	23	164		187		25.55		19.7 18.4 17.1 16.9 16.4 16.0 18.7		21.6 18.9 20 0 17.6 18.7 17.9 20 5
	1879	•		೧೦		0 0 0	:	?1	•	23	<b>-</b>	168		209 175		2.0		6 91		17.6
	1878	ಭ	ಧ	6	0 0	4		7	C1	parent	65	180		209		5.9		17.1		20 0
	1877	•	-	# *		:	:	G I	:	_	)©	179		184		0.2		18.4		6.81
	1876	•		•	,	ဘ	:	4	٠)	4	19	189		308		6 1		19.7		9.16
		Measles	Scarlet Fever	Croup (not spasm)dic)	Uphtheria	Ó.	revers of a (Typhus	~	character. (Doubtful		Diseases	Deaths from other causes	Total from each year due	to the Borough	Death rates from Zymotic	Diseases per 1000	Death-rates from all other	causes per 1000	General Death rate per	•

Table V. supplementary to the preceding one, has been constructed to show the relative mortalities in rates per 1,000 from the same Zymotic Diseases, as contrasted with the previous year, and also with the average of the 22 years preceding 1898.

TABLE V.

DEATHS.	Average of 22 years preceding 1898.		1898
Measles	0.66	0.17	0.26
Scarlet Fever	0.43	nil.	nil.
Diphtheria	nil.	nil.	0.08
Croup (membraneous)	0.07	nil.	0.08
Whooping Cough	0.33	nil.	nil.
Typhoid Fever	0.08	nil.	0.08
Doubtful	nil.	nil.	nil.
Diarrhœa and Dysentery	0.58	0.68	0.69
Zymotic Annual Death-rate	1.9	0.8	I·2
General ,, ,,	18.1	13.8	15.2

There were a few cases of measles during the year, with three deaths, the rate was 0.17 per 1,000 compared with 0.68 the previous year, and an average for the preceding 21 years of 0.66.

#### SCARLET

**FEVER.** As was the case last year, no deaths occurred from this disease. Twelve cases were notified.

The following Table shows the number of cases notified each year since 1890, with the number of deaths and the rates of fatality:

TABLE VI.

Year.	No. of Cases Notified.	No of Deaths.	Rate of Fatality.
1890	140	б	4.2
1891	85	7	8.2
1892	65	7 6	9.2
1893	175	10	5.7
1894	Ι2	. 2	13.2
1895	17	3	17.
1896	3	nil.	nil.
1897	7	nil.	nil.
1898	I 2	nil.	nil.
Total	516	34	6.5

This rate of fatality of 6.5 per cent is probably not below that of the rest of England. The rate for the Metropolitan Districts is estimated at about 5 per cent.

**DIPHTHERIA.** There were two cases notified of this disease, one of which was fatal.

case only was notified.

#### WHOOPING

COUGH. There were no deaths from Whooping Cough.

#### TYPHOID

patient had been removed from unsuitable home surroundings in Clitheroe to the Workhouse, and there died a few days after admission.

One other case of Typhoid Fever only was notified during the year.

### DIARRHOEA

AND

which were in infants under one year of age. The majority of these latter cases may fairly be attributed to errors in feeding.

The rate from these diseases slightly exceeded that of the previous year, and was also a little above the average of the last 22 years.

population were equivalent to a rate of about 1 per 1,000 being as nearly as possible the average rate of the last ten years.

There were five deaths amongst young children certified as due to Tubercular Disease, but owing to difficulties of Diagnosis it would be unsafe to assume that this number included all the cases in which the disease was present.

Much interest throughout the country in the subject of the prevention of Consumption has been taken during the year and a highly influential association has been formed with a view of banishing the disease from Great Britain. The object of the Association is to disseminate knowledge concerning tuberculosis and its prevention, and also to help on the formation of Sanatoria for the treatment of consumptive patients upon the open-air system.

The measures indicated to prevent the spread of tuberculosis are here briefly summarised:—

- (a). With regard to the individual consumptive that he shall not be a danger to the community in general, and to those in immediate contact with him in particular. These measures have chiefly to do with the destruction of all tubercular sputum, discharges, and excreta; his personal cleanliness and the proper cleansing and sanitation of the rooms in which he lives.
- (b). The protection of the food supply of the community by the prohibition of the sale of meat and of milk obtained from tuberculous animals.

(c). The improvement of the general sanatory conditions of the people by which it is possible to prevent a condition of body predisposing to consumption.

#### ACUTE LUNG

deaths; 15 in children under 5 years and 19 in people over that age. The rate was 2.9 and the average rate of the preceding 10 years is 2.8.

ation Officer, showing the number of Children born in Clitheroe, whose parents have procured for them exemption from vaccination under the conscientious objection clause of the recent act.

Born in	the year	1888		I
,,	33	1889		I
22	>>	1893		2
,,	55	1894		2
,,,	,,	1895		2
,,	>>	1896		5
5.5	9.5	1897		13
22	2.5	1898		13
		To	tal	39

# REPORT OF THE INSPECTOR OF NUISANCES.

#### INFECTIOUS DISEASES (NOTIFICATION) ACT.

The following will show the number of cases reported during the year, with the number of Houses in which the cases have occurred:—

Typhus Fever 1	Cases	in I	House.
Typhoid Fever 3	, ,,	2	22
Scarlet Fever 14	. ,,	II	,,
Diphtheria 3	5.5	3	22
Erysipelas 2	22	2	,,
Total 2	3 ,,	19	79

In the previous year, there were II cases in IO houses. In connection with these cases we have destroyed by fire, beds, mattrasses, pillows, sheets, blankets, clothing, toys, books, and various rugs.

15 houses have been fumigated with sulphur and afterwards thoroughly cleaned.

I Cab disinfected after taking a fever patient to the Workhouse.

We have also destroyed by fire 5 lots of bedding and clothing, which had been used by persons suffering from various illnesses.

We have also distributed during the year, to various persons for disinfecting purposes, 37 cwt. of carbolic disinfecting powder, and 50 gallons of disinfecting liquor.

as follows::—

Nuisances in the Books ... ... ... 306

Notices sent to abate Nuisances ... ... 37

Nuisances abated without Notices ... ... 243

Nuisances unabated at the end of the year 26

I may here state that a number of Sanitary Defects reported to the Health Committee have been passed on to the Sewering Committee to be dealt with.

THE abated:—

- 40 Choked Drains opened and cleaned.
- 2 New Sanitary Pipe Drains laid instead of old Stone drains.
  - 2 Drains Trapped.
- 2 Slopstone pipes disconnected from the Drains and Trapped.
- 3 Cases of Water penetrating from Drains into Houses remedied.
  - 2 Slopstone pipes lengthened.
  - I New Tipper put in to replace a broken one.
  - 2 Old Pan Closets condemned.
- r New Closet provided where the accommodation was insufficient.
  - 1 Dilapidated Closet repaired.
  - 33 Dirty Closets cleaned.
    - 3 Defective Down-spouts repaired.
- 2 Bath Waste Water pipes disconnected from the Drain and Trapped.
  - 2 Cess-pools removed from inside the Shippons.
  - 5 Dirty Houses cleaned.
  - 6 Dirty Back-yards cleaned.
  - 1 Dirty Cellar cleaned.
  - 3 Lots of Poultry removed from Back-yards.

- I Lot of Pigs removed.
- 4 Lots of Rubbish removed from Buck Street.
- 2 Wooden Buildings removed from Back-yards.
- 3 Back Kitchen Chimneys raised higher.
- 3 Nuisances from Butchers' Trade abated.
- 2 Nuisances from Fish Dealers' Trade abated.
- 2 Manure Heaps removed.
- 2 Damp Rooms remedied.
- 11 Dead Carcases taken out of the Brook.
- 28 Bog Hole Doors repaired.
- 11 New Ash Tubs provided where the accommodation was insufficient.
- 46 Vans used as Dwellings attending the Fairs, have been inspected, and found clean and free from any sickness.
- I Case of Overcrowding has been attended to, where a Family of seven (three males and four females), living in a backto-back house and sleeping in one room, the air space of which was only 1,600 cubic feet. The case was remedied by making two houses into one.
- 27 Choked Tippers have been opened and cleaned. In every case the choking was caused by various articles being dropped down the closet shafts.

The Bog Holes in 63 streets have been cleaned and disinfected.

77 Ash Tubs and 154 excreta Pails have been replaced.

The open sewers in Lang's Yard, Whalley Road, Swan Meadow, and Taylor Street have been cleaned.

The Brook, from Donkey Bridge to the Primrose Lodge, has been cleaned during the year.

3 Old Midden Privies have been converted to the Water Carriage System. There are still 51 of these old Middens in the Borough, but the greatest number of them are outside of the Town proper.

2 Houses where the excreta pails had to be carried through Houses, have been put on the Water Carriage System; but there are still 18 of these houses to be dealt with.

All the old Drains at the Police Station have been taken up and new ones laid, with the necessary Traps, Manholes and Ventilators. Further improvement has been made in Chatburn Road (East) by connecting the house Drains to the Main Sewer, which previously discharged into the Brook; and in the Primrose District by connecting the house drains to the Main Sewer, which previously discharged into the Lodge.

A great improvement has also been made at Taylor St. by putting in new Drains and connecting the same to the Main Sewer, thus preventing the continual choking of the old Drains.

There is also an improvement at Nos. 5 to 25, Bawdlands, by laying new Drains and putting the Closets on the Water Carriage System, and providing a better place for the Ash Tubs.

The objectionable system of having to carry the pails through the houses at the block Nos. 40 to 52, Parson Lane, has been remedied by putting in new Drains and connecting the Closets to the Water Carriage System.

The continual choking of the Drains at the back of School Terrace, caused by the Drains being too small to take the sewage, has been remedied by putting in a larger Drain, and connecting the same to the main Sewer. An automatic flushing Tank has been put in the main Sewer in Pimlico Road, and since this was done we have not a single complaint of bad smells arising from the Manholes in this length.

We have had no complaints up to the present of ball smells arising from the Manholes where the Pynoyone Blacks in Wire Baskets have been put in.

There are 2,702 Dwelling-houses in the Borough. Out of this number, 310 are back-to-back or single Houses.

Out of the 2,702 Houses, 1,727 are connected permanently or temporarily to the Main Sewer.

Last year it was estimated that 1,181 were connected, showing that 546 have been connected this year, 1898.

There are 290 fresh water Closets and 7 Latrines in use, and 420 waste water or Tipper Closets. 106 have been put in this year, 12 in new property and 94 in old property.

A new Urinal has been erected near the Wheat Sheaf, in Salford, and has supplied a long-felt want. There is still a scarcity of Urinals in the Town, especially in the Waterloo and Bawdlands Districts.

The quantity of Refuse collected was as follows:—

Dry Ashes from Tubs, taken to Tip at Horrocksford ... 1777 loads
Nightsoil from Middens, ", ", ", 79 ",
Rubbish, ", ", ", ", 38 ",
Excreta from Pails, taken to the land of various Farms 1285 drags
Sundries carted by our own Carter ... ... ... ... ... 44 loads

Total ... 3,223 loads

#### SMOKE

observations of the Smoke emitted from the chimneys of the 27 Steam Users, and the longest period during which Black Smoke was emitted in one hour was 16 minutes. We have no time limit in force in the Borough.

In one instance notice to limewash was sent, and complied with.

One new Workshop has been registered as such in Shaw Bridge.

In compliance with the notice served on Mr. John Mercer, a fire escape has been erected at the Commercial Mill.

#### COMMON

#### LODGING

Houses. There are four Common Lodging Houses, registered for 136 Lodgers. They are kept clean, and fairly well conducted.

tail. They are kept clean and well adapted for the purpose; but we have no local regulations with regard to them.

#### SLAUGHTER

as last year, namely 6. There are 17 butchers, and on account of our being unable to provide room for them at the Corporation Slaughter Houses, they are put to a great deal of inconvenience, some of them having to go out of the Borough to slaughter. The places are kept clean.

#### COWSHEDS

AND

DAIRIES. There are 45 Cow Keepers in the Borough; 32 of these sell milk to the Public. The Sheds and Dairies are kept clean. Defects were pointed out to the owners at High Moor and Twain Brook Farms, and they were remedied.

There are 9 persons from outside the Borough who bring Milk into the Town for sale.

#### SHOP HOURS

ACT. I have paid several visits to shops and licensed houses in connection with this Act, but find no violation of the Act to report.

As you are about to consider the question of providing a Disinfector, and forming a new Code of Regulations pertaining to Cowsheds and Dairies, Slaughter Houses and Common Lodging Houses, may I also suggest that you consider the advisability of adopting a time limit re the Smoke Nuisance, and Regulations with regard to Public Bake-houses.

I would also suggest that the Report of September last, re the removal of nightsoil, which was deferred, be considered, and that an allowance be made in next year's Estimates for two new drags.

THOS. DAVIES.

APPENDIX (A.)

r 1808 in the Clitheroe Mirhan Sanitam Dia

Table of Deaths during the Pear 1898, in the Clitheroe Urban Sanitary District.

Classified according to Diseases, Ages, and Localities.

Names of Localities		Mort	ALITY AT SUI	FROM BJOINED	ALL C	AUSES,						Mortal	ITY F	ROM SUI	BJOINED	CAUSE	s, dist	ringuis	ніng D	EATHS	of Cr	HLDREN	UNDE	r Fivi	e Year	s of A	GE,			
adopted for the purpose of these Statistics; public institutions being shown as separate localities.	At all	Un der 1 year.	and under 5.	5 and under 15.	15 and under 25.		65 and up- wards.		Smallpox.	Scarlatina,	Diphtheria.	Membranous Croup.	Typhus.		Continued.		Puerperal.	Cholera.	Erysipelas.	Measles.		Diarrhœa and Dysentery.	0	Phthisis.	Bronchitus, Pneumonia and Pleurisy.			Injuries.	All other Diseases.	TOTAL.
(a)	(h)	(0)	(d)	(e)	(f)	(9)	(h)	(i)	1	2	3	4	Б	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
CLITHEROE PROPER	147	36	19	2	7	44	39	Under 5 5 upwds.			1	1								2		5 2	1	12	15 15	9	1	3	31 49	54 93
LOW MOOR	7	2	2			I	2	Under 5					••							1		1							3 2	5 2
THE WORKHOUSE.	21	2			1	9	9	Under 5 5 upwds.						1		••		••						2	4	3			2 9	2 19
Totals	175	40	21	2	8	54	50	Under 5		<del></del> -	1		···			•	<u></u>			3		6		14	15 19		•••	8	36	61

TABLE (B.)
Table of Population, Births, and of New Cases of Infectious Sickness

Coming to the knowledge of the Medical Officer of Health, during the year 189°, in the Clitheroe Urban Sanitary District, classified according to Diseases, Ages, and Localities.

Names of Localities.		ation at	Births.		New Cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.												
adopted for the purpose of	an			Aged under 5	I	2	3	4	5	F1	VER	S. 8	9	10	11	12	13
	Last Ce nsus	Estimated to middle of 1898.	Registered	or over 5.	Smallpox.	Scarlatina.	Diphtheria	Membranous Croup.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.		
(a.)	(6)	(0)	(d)	(e)	Sm	Sce	liα	Me	Tyl	T	Ö	Rel	Pue	Ch	Ery		
CLITHEROE PROPER	9628	10273	264	Under 5		10	2				•••		•••			•••	
				5 upwds.		2	•••	I		2					2		
Low Moor	1127	1127	22	Under 5	•,												
	,			5 upwds.			•••										
THE WORKHOUSE	60	100	,	Under 5							•••						•••
		130	3	5 upwds.													
Totals	10810	:1500	202	Under 5		10	2										
TOTALS	10019	11500	289	5 upwds.		2		ı		2			(	[	2		